



## SEQUENCE LISTING

<110> PLAKSIN, Daniel

<120> SMALL FUNCTIONAL UNITS OF ANTIBODY HEAVY CHAIN VARIABLE REGIONS

<130> 87534-2800

<140> 09/858,349

<141> 2001-05-15

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 411

<212> DNA

<213> mouse hybridoma specific for H-2D + RGPGRAFVTI peptide

<220>

<221> misc\_feature

<222> (295)..(320)

<223> a o r g o r c o r t/u

<400> 1

gatgtccagc tgcaggagtc aggacctggc ctctgtgaaac cttctcagtc tctgt  
ctctc 60

acctgctctg tcaactggcta ctccatcacc agtgggttatt actggaactg gatcc  
ggcag 120

tttccaggaa acaaactgga atggatgggc tacataagct acgatggtag caata  
actac 180

aacccatctc tcaaaaatcg aatctccatc actcgtgaca catctaagaa ccagt  
ttttc 240

ctgaagttga attctgtgac tactgaggac acagccacat attactgtgc aagan  
nknk 300

nnknnknnkn nknnknnknn kgactactgg ggccaaggga ccaactgtcac cgtcg  
cgcc 360

gcaggtgcgc cggcgccgta tccggatccg ctggaaccgc gtgccgcata g  
411

<210> 2  
<211> 136  
<212> PRT  
<213> mouse hybridoma specific for H-2D + RGPGRAPHVTI peptid  
e

<220>  
<221> MISC\_FEATURE  
<222> (99)..(107)  
<223> variable

<400> 2

Asp	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser
Gln														
1				5					10					15

Ser	Leu	Ser	Leu	Thr	Cys	Ser	Val	Thr	Gly	Tyr	Ser	Ile	Thr	Ser
Gly														
			20					25					30	

Tyr	Tyr	Trp	Asn	Trp	Ile	Arg	Gln	Phe	Pro	Gly	Asn	Lys	Leu	Glu
Trp														
		35					40					45		

Met	Gly	Tyr	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Asn	Tyr	Asn	Pro	Ser
Leu														
	50						55					60		

Lys	Asn	Arg	Ile	Ser	Ile	Thr	Arg	Asp	Thr	Ser	Lys	Asn	Gln	Phe
Phe														
65					70						75			

80

Leu Lys Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr  
Cys

85

90

95

Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Tyr Trp Gly  
Gln

100

105

110

Gly Thr Thr Val Thr Val Ala Ala Ala Gly Ala Pro Val Pro Tyr  
Pro

115

120

125

Asp Pro Leu Glu Pro Arg Ala Ala  
130 135

&lt;210&gt; 3

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; mouse hybridoma specific for H-2D + RGPGRFVTI peptide

&lt;400&gt; 3

Arg Gly Pro Gly Arg Ala Phe Val Thr Ile  
1 5 10

&lt;210&gt; 4

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; sfiI5'

&lt;400&gt; 4

aaggaaaaaa aaggcccagc cggccgatgt ccagctgcag gagtcaggac cggc  
54

<210> 5  
 <211> 100  
 <212> DNA  
 <213> NotI3' oligonucleotide

<220>  
 <221> misc\_feature  
 <222> (51)..(76)  
 <223> a or c or g or t/u

<400> 5  
 tatcaaatgc ggccgcgacg gtgacagtgg tcccttggcc ccagtagtcm nnnnn  
 mnnmn 60  
 nmnnmnnmnn mnnmnnntctt gcacagtaat atgtggctgt  
 100

<210> 6  
 <211> 5  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<220>  
 <221> MISC\_FEATURE  
 <222> (2)..(2)  
 <223> a hydrophilic residue though this may not be a exclus  
 ive requirem  
 ent

<400> 6

Gly Xaa Ser Pro Gln  
 1 5

<210> 7  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 7

Phe Pro Thr Gly Asp Leu Ala Glu Lys  
1 5

<210> 8  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 8

Asn Gly Lys Ser Pro Gln Ala Ala Trp  
1 5

<210> 9  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 9

Gln Ser Gly Gln Ser Pro Gln Ser Ile  
1 5

<210> 10  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 10

Trp Gly Ser Trp Arg Asn Gly Lys Asn  
1 5

<210> 11  
<211> 9  
<212> PRT  
<213> phage clone with randomized VH gene inserted  
  
<400> 11

Trp Ala Lys Gly Arg Ser Thr Met Tyr  
1 5

<210> 12  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 12

Trp Gly Met Tyr Arg Ser Gly Thr Gly  
 1 5

<210> 13  
 <211> 34  
 <212> DNA  
 <213> pET-21 a VH5'NdeI

<400> 13  
 gggaattcca tatggatgtc cagctgcagg agtc  
 34

<210> 14  
 <211> 34  
 <212> DNA  
 <213> pET-21aVH3' XhoI

<400> 14  
 gggaattcct cgagctatgc ggcacgcggt tcca  
 34

<210> 15  
 <211> 9  
 <212> PRT  
 <213> phage clone with randomized VH gene inserted

<400> 15

His Ala Gln Arg Arg Pro Trp Ile Arg  
 1 5

<210> 16  
 <211> 9

<212> PRT

<213> phage clone with randomized VH gene inserted

<400> 16

Glu Asp Pro His Pro Gln Arg Gly Tyr

1

5